Notebook, N-12-03-20

1859	7600 7680	7221 7222	1207 1217	1273 1323	1280 1333	563 570				
1860	7344 7490	7223 7224	1160 1200	1260 1277	1270 1283	593 583				
Old tube 3966-67 ~~Dup 7225~~ These soaked out on plate 3 times for a week — 21K 6Zi - Change to 21K 2Li after 3 Runs —		7225 7226	910 893	887 860	920 887	743 747	977 962	997 990	823 803	Give these to Edison
Old tube 3768 3769 Run Reg only 21K 2Li —		7227 7228	860 797	10						
1861	7790 7763	7229 7230	1233 1217	1283 1263	1293 1277	473 447				
1862	7528 7631	7231 7232	1163 1213	1207 1277	1213 1283	460 460				
1863	7563 7569	7233 7234	1133 1183	1233 1267	1243 1273	470 483				
1864	7550 7632	7235 7236	1217 1190	1293 1297	1300 1270	487 500				
Lot 109B flake 4.2	7414 7368	7237 7238	1193 1180	1167 1243	1190 1260	450 513				

on 3 Hot

						Hot
Lot 110A flake 415	7325	7239	1170	1233	1247	517
[illegible] -	7254	7240	1127	1210	1223	513
Cerium Hydrox	6.793	7241	20		[illegible]	10
only	6672	7242	20			10
Nickel Molybdate	6573	7243	260		[illegible]	310
	6630	7244	273		[illegible]	313
Barium Chromate	9523	7245	10		3	10
	9530	7246	10		[illegible]	10
Strontium Chromate	8545	7247	0		[illegible]	0
	8578	7248	0		[illegible]	0
Calcium Chromate	6262	7249	33		30	77
	6310	7250	33		[illegible]	67
Cadmium Chromate	8515	7251	33		[illegible]	40
	8460	7252	33		[illegible]	37
Cerium Molybdate	7410	4253	0		[illegible]	7
	7455	7254	1.7		7	7

						Hot
Iron chromate –	6700 6570	7255 7256	1·7 1·7			2.5 ·8
Nickel Chromate	5950. 6010	7257 7258	590 573	487 510	500 523	450 403
Cobalt Chromate	6570 6620	7259 7260	143 153	113 117	120 123	307 307
Iron Tungstate	8892 9000	7261 7262	·3 ·8			
Cerium Chromate	8148 8182	7263 7264	·8 ·8			
Calcium Oxalate	4735 479.5	7265 7266	·8 ·8			
Mercury Tungstate	11224 11383	7267 7268	27 30			
Calcium Molybdate	9329 9270	7269 7270	40 40			
Cerium Tungstate	8210 8113	7271 7272	33 33			

Iron Molybdate	6072 6040	7273 7274	37 37						
RA 1454 Expt	7430 7500	7275 7276	1200 1203	1303 1280	1313 1290	417 413	1377 1360	1390 1380	~~440~~ 400
RA 1455 Expt	7505 7465	7277 7278	1237 1220	1287 1290 10 R	1307 1310	390 417	1393 1380	1410 1393	417 430
1865 Reg	7295 7208	7279 7280	1173 1133	1220 1190	1227 1197	627 623			
1866 Reg	7538 7343	7281 7282	1167 1167	1227 1230	1237 1240	540 500			
1867 Reg	7618 7640	7283 7284	1153 1167	1217 1200	1223 1210	460 457			
1868 Reg	7560 7530	7285 7286	1197 1133	1280 1223	1287 1233	513 507			
1869 Reg	7602 7560	7287 7288	1153 1150	1203 1207	1213 1220	540 577			
1870	7645 7627	7289 7290	1153 1133	1233 1193	1240 1200	633 600			

	110	½	H.	120						140		
7275 7276	1350 1343	1387 1367	660 663 667	1343 1373	1362 1393	797 793	1300 1297	1347 1333	713 710	1260 1260	1347 1310	877 787
7277 7278	1370 1380	1390 1407	663 667	1427 1423	1457 1447	780 727	1353 1343	1377 1373	703 717	1327 1327	1363 1367	880 880

1871 Req	7713 7760	7291 7292	1187 1160	1247 1210	1257 1223	657 600
1872 Req	7566 7667	7293 7294	1157 1157	1177 1200	1187 1210	577 557
1873 Req	7627 7532	7295 7296	1177 1160	1250 1213	1257 1223	577 557
1874 Req	7520 7560	7297 7298	1170 1180	1223 1223	1233 1233	600 610
1875 Req	7359 7310	7299 7300	1157 1177	1217 1247	1223 1257	583 577
1876 Req	7451 7371	7301 7302	1187 1193	1247 1260	1260 1267	607 577
1877 Req	7595 7484	7303 7304	1163 1187	1213 1247	1220 1257	537 573
1878 Req	7479 7492	7305 7306	1203 1203	1237 1273	1243 1280	610 627
1879 Req	7588 7618	7307 7308	1193 1167	1257 1233	1263 1243	627 600

Note L.OH Groups at back-

1880 Reg	7471 7430	7309 7310	1203 1173	1257 1187	1263 1200	613 573			
1883 Reg	7560 7537	7311 7312	1187 1193	1243 1220	1253 1227	507 517			
1884 Reg	7433 7512	7313 7314	1160 1177	1193 1217	1203 1223	540 543			
1885 Reg	7534 7510	7315 7316	1190 1197	1253 1257	1263 1263	590 567			
1886 Reg	7679 7575	7317 7318	1173 1160	1240 1250	1250 1260	597 617			
1881 Reg	7551 7595	7319 7320	1190 1187	1273 1227	1280 1237	620 570			
Old 6126 Tubes + vrow 21K 4 Li run 3 times change to 21K 2 Li 7322 is old 6127 7323 is old 6128	7321 7322 7323	907 860 940	1167 1133 1170	1227 1193 1223	787 753 910	150 1160 1117 1163	1250 1207 1260	777 777 793
1/8 Tubes, 352 D. wt 2,750 21K 4 Li run 3 times change to 21K 1 Li	7324 7325	1910 1917	6 Run 1983 2016	2053 2123	~~2053~~ 9102 3	150 1790 1840	1860 1933	900 1000

7321	1130	1223	800	1077	1200	860
22	1107	1143	784	1057	1200	837
23	1113	1223	797	1103	1233	857

x Slight bent

Seams of cored

7324	1673	1773	1097 x	1733 x	1860	1173	1667	1760	953	1620	1687	1260
25	1750	1840	1200	1733	1863	1187	1733	1827	1310	1613	1690	1227

serum flared
tent slightly

	350			400			450		
7324	1417	1477	1247	1227	1327	843	950	1000	757
7325	1517	1573	1323	1283	1420	1007	1133	1267	877

				50 6mm	1/2	H	150		
1/8 Tube Duplicate of 7324 – 21K 6 Li run 3 hr change to 21K 1 Li		7326 7327	1833 1923	2043 2277	2107 2413	1160 [illegible]	1507 1610	1583 1707	1149 1227
1882 Reg	7645– 7602	7328 7329	1177 1177	1193 1183	1203 1190	577 573			
Magnesium Oxalate	4485– 4475	7330 7331	.3 .8						
Calcium Tungstate	10408– 10455	7332 7333	.3 .3	10					
1887 Reg	7727– 7675	7334 7335	1243 1233	1268 1273	1273 1280	560 550			
1888 Reg	7660 7650	7336 7337	1197 1180	1240 1217	1250 1233	523 503			
1889 Reg	7698– 7655	7338 7339	1220 1213	1270 1253	1280 1260	527 527			
1890 Reg	7725 7630	7340 7341	1233 1230	1267 1247	1273 1253	577 507			
1891 Reg	7565– 7555	7342 7343	1207 1207	1253 1257	1260 1260	553 570			

5 bset

7326	1267	1330	1213	1200	1280	1027	1298	1320	[illegible]
27	1367	1447	1350	1260	1363	1070	1307	1413	[illegible]

1892 Reg	7590 7678	7344 7345	1213 1217	1263 1300	1270 1303	603 637			
1893 Reg	7562 7555	7346 7347	1217 1227	1263 1263	1270 1270	593 567			
1894 Reg	7480 7445	7348 7349	1223 1190	1267 1213	1277 1223	537 593			
flake 111 — 4.3	7315 7328	7350 7351	1237 1207	1237 1230	1260 1260	510 503			
flake 112 - 4.2	7226 7283	7352 7353	1200 1207	1217 1290	1240 1317	527 570			
Goldsteins 723. Mixes with 2g Sodium Arsenite dried Cow box 2 holes 30 Days	7196 7180 7185	7354 7355 7356	1140 1153 1153	1193 1227 1237	1213 1237 1250	383 360 350	1303 1313 1327	1323 1357 1357	490 503 487
Goldsteins 726. Dried box without Cover 30 days	7023 7110 7105	7357 7358 7359	1193 1193 1230	1263 1260 1277	1277 1267 1287	360 350 333	1337 1363 1380	1377 1387 1410	487 483 483

150

7354	1267	1307	560	|
55	1280	1343	587	
56	1293	1347	550	
57	1263	1350	580	‖ Bent le Clle
58	1327	1377	610	
59	1327	1400	577	

							100		
Goldstein 728 with 1% Cobalt Dried box no cover 30 days	7220 7250 – 7275	7360 7361 7362	1227 1240 1223	~~1347 1340 1343~~	~~1357 1350 1353~~	~~370 843 327~~	~~1483 1407 1450~~	~~1507 1437 1467~~	~~567 483 427~~
Goldstein 708 NaOH. – 3 grams glycerine in 520 NaOH, dried box 1 hole 33 days pressed 300 at	7245 7185 7154	7363 7364 – 7365	1099 1077 1077	~~1190 1177 1180~~	~~1197 1190 1193~~	~~293 307 857~~	~~1317 1307 1317~~	~~1333 1340 1340~~	~~260 427 430~~
6117 } Run together 21K 2Li 6119 } old tubes soaked Conc Arsenite soda –			983 127						
3763 } 21K 2Li 3764 } old tubes soaked Conc Nitrate Soda			867 532						
3962 } old tubes soaked strong 3963 } Hyposulfite Soda –									
Goldstein 709 – Made with Tartaric acid + 520 NaOH. dried box 1 hr 33 days press 300 at	7001 7064 7009	7366 7367 7368	1173 1170 1140	~~1277 1293 1213~~	~~1300 1307 1220~~	~~343 333 307~~	~~1373 1373 1280~~	~~1457 1450 1303~~	

	150			200			250	1/2	H	300		
7360	1393	1520	613	1377	1527	650	1350	1487	708	1267	1483	620
61	1327	1397	553	1237	1400	600	1143	1290	570	1080	1267	543
62	1290	1467	497	1373	1477	600	1323	1420	480	1290	1443	513
63	1300	1333	463									
64	1247	1310	501									
65	1263	1333	534									
7366	1167	1373	617									
67	1117	1300	670									
68	1227	1287	583									

	400 .9	.5	H.		458		500		
7360	1323	1517	677	1313	1490	417	1050	1283	650
7361	1097	1290	573	983	1217	673	833	1047	587
7362	1243	1410	623	1180	1353	677	930	1127	553

aC₀

595
2
1190
290
748

Reg no — Tubes Iodized, after soaking in 33% KOH, Soak in KOH. 7369 — 10 min 7370 15 " 7371 20 "		7369	1087	1243	1257	423	1293	1317	593
		7370	1120	1290	1303	470	1333	1370	617
		7371	1130	1267	1280	563	1347	1400	650
Goldstein 725, Made with 2 gram Sodium Sulphite pressed 300 at dried box 2 holes 30 days	6765	7372	1207	1303	1323	320	1210	1383	537
	6846	7373	1210	1340	1357	350	1210	1410	537
	6895	7374	1217	1377	1390	360	1260	1443	530
Goldstein 716 Make with 1% Cobalt. at 520 g NaOH. pressed 300 at	7058	7375	1220	1327	1353	353	1220	1383	433
	7020	7376	1237	1367	1413	340	1187	1377	447
	7012	7377	1237	1393	1420	373	1193	1400	433
Goldstein 724 Made with 2 gram Sodium phosphate dried Box 1 hole 30 days pressed 300 atmos	7032	7378	1220	1323	1343	343	1250	1443	457
	7037	7379	1223	1343	1360	357	1260	1430	480
	7020	7380	1200	1273	1297	343	1177	1360	453
Goldstein 677 Make strong Sol NaOH. dried low temp 2½ month	7816	7381	1160	1240	1263	303	1267	1400	423
	7704	7382	1150	1290	1307	400	1313	1460	473
	7810	7383	1153	1257	1270	380	1243	1420	440
Goldstein 706 — Made with 520 g NaOH. dried Covered box 1 hole 35 days	7110	7384	1173	1293	1310	373	1263	1440	457
	7016	7385	1160	1260	1270	367	1230	1423	430
	7082	7386	1157	1237	1250	340	1230	1393	423

7369	1257	1313	697
70	1293	1397	740
71	1293	1357	663

7375	1263	1353	500	1350	1440	677	1193	1393	604
76	1423	1507	527	1463	1527	730	1327	1447	623
77	1430	1507	533	1460	1543	710	1260	1447	593

7381	1310	1333	500	1290
82	1437	1470	620	1240
83	1387	1450	600	1297

Goldsln 727 Made with 2 grms $CuSO_4$ + $5H_2O$ - Dried 604 without cover 30 days	7228 7220 7230	7387 7388 7389	1200 1200 1160	~~1273~~ ~~1293~~ ~~1257~~	~~1287~~ ~~1307~~ ~~1273~~	~~423~~ ~~410~~ ~~397~~	~~1290~~ ~~1240~~ ~~1263~~	~~1463~~ ~~1453~~ ~~1427~~	~~530~~ ~~530~~ ~~500~~

Regeneration old Tubes
olds Numbers used but
Marked X

525 Soaked HgCy ~~[illegible]~~ in water	525 X	800	~~lost 187 Milamp~~
526 Soaked strong sol Nitrate K	526 X	877	~~" 70 "~~
527 Strong sol Citrate ammonia	527 X	793	~~" 197 "~~
891 only small quant Iodide K	891 X	870	~~" 230 "~~
892 Conc Tungstate K	892 X	1093	~~" 176 "~~
901 Conc K Molybdate	901 X	990	~~" 43 "~~
902 Conc NH_4 Sulphate	902 X	633	~~" 320 "~~
903 Conc Benzoate K	903 X	977	~~gained 34 "~~
904 Strong Zinc Chloride	904 X	930	~~gained 66 "~~

905 NH_4 Chloride strong	905 X	950	improved 120 Milamp					
906 Sodium Nitrite strong	906 X	1127	improved 147 "					
919 Zinc SO_4 strong	919 X	1057	improved 140 "					
920 Ammonia Phosphate strong	920 X	27	lost 800 "					
1702 Chromate K	1702 X	933						
1707 Chlorate K	1707 X	9 913	improved 50					
RA 1883 Expt	7390	1250	1313	1333	463	1290	1443	573
	7391	1273	1223	1233	463	1320	1660	503
2% CoBalt.	7392	1270	1333	1347	460	1320	1660	573
Old tubes regeneration	10280	404	lost 500 Milamp					
Old numbers Strong Calcium Chl	10281	550						
KCl saturated	10308	988						
	10310	913	lost 300 "					
Sulphate Magnesia fairly strong	10309	904						
	10340	967	lost 400 "					

	150	1/2	H	200	1/2	H
7390	1427	1483	670	1323	1467	637
91	1430	1500	670	1333	1523	673
92	1410	1487	627	1360	1490	760
7393						
94						
95						

250 [illegible]	1/2	H,	300		
1383	1483	637	1283	1450	687
1417	1517	673	1183	1397	637
1393	1490	760	1247	1393	670

				350			400			400	
7390	1263	1400	750	1167	1330	473	1150	1350	643	1110	1310
91	1020	1220	713	933	1203	477	923	1190	680	933	1193
92	1230	1397	447	1110	1300	477	1027	1220	723	1087	1217

Regeneration old tubes old numbers		
K Sulphate Saturated	10341 10342	1104 867
Phosphate Soda Conc $NaHPO_4 12H_2O$ -	10344 10313	1288 875
K Chromate Sat	10282 10343	500 554
Nitrate Soda Saturated	3763 3764	867 553
Na Hyposulphite. Strong	3962 3963	950 1030
Chloride Ammonia Saturated	5460 5461	960 817
Arsenate Soda Saturated	6117 6119	983 127
10311 10312 Nitrate Ammonia Nat Sat.	10311 10312	1175 1004

Everything bright -

~~Lost 250~~

~~Lost 250 -~~

~~Lost 400 -~~

~~Gained 293 milamp~~
~~Lost 200 "~~

~~1171~~	~~1183~~	~~796~~	~~971~~	~~991~~	~~735~~
~~992~~	~~1025~~	~~708~~	~~867~~	~~888~~	~~670~~

X Old Tubes –

Chromate K	1702 X	933
Chloride K	1703 X	913
Ferrocyanide K	1704 X	1047
Old Tubes Hyposulphite K	1705 X	653
Cobalt Sulfate	1706 X	923
Chlorate K	1707 X	820
1877 RA – Soaked in 3% Cobalt Solution in green by Edward – Jounced, put in KOH, washed & slightly dried all night & tested in morning 7193 185 157	7393 7394 7395	1217 1277 1300
1878 RA – 5% Cobalt Solution used 7193 154 185	7396 7397 7398	1263 1297 1253
1885 Ra 7% Solution Cobalt Sulfate used 7136 200 180	7399 7400 4401	1287 1270 1290

Lost 70 milamp

Lost 50 "

Same

Lost 160

Same

Same –

3)3776
1259

3)3986
1329

3)4033
1344

3)1447
482

1323 1277 1383	1333 1290 1403	453 447 520	1343 1233 1237	1420 1367 1447	497 487 540
3)3983 1328	3)4026 1342	3)1420 473	3)3813 1271	3)4234 1411	3)1524 508
1290 1373 1260	1307 1390 1273	467 573 467	1247 1307 1230	1373 1437 1340	533 530 503
3)3923 1308	3)3970 1323	3)1507 502	3)3784 1261	3)4150 1383	3)1566 522
1323 1313 1320	1340 1360 1333	497 483 467	1233 1290 1253	1397 1440 1403	520 520 543
3)3986				3)4240 1413	

150

200

7393	1367	1473	597	1117	1327	647
94	1240	1313	520	1133	1307	667
95	1387	1520	623	1183	1290	718
	3)3994 1331	3)4306 1435	1740 580	3)3433 1144	3)3924 1308	3)2024 674
96	1300	1373	563	1123	1273	643
97	1373	1457	597	1163	1363	683
98	1267	1333	517	1240	1307	607
	3)3940 1313	3)4163 1388	3)1677 559	3)3526 1175	3)4043 1348	1933 644
99	1387	1410	593	1063	1263	577
7400	1380	1460	570	1213	1373	637
01	1340	1460	547	1177	1333	597
	3)4107 1369	3)4330 1443	3)1710 570	3)3453 1151	3)3969 1323	3)1811 604

Note high Cup –

1886 Ra –	7235	7402	1293	1327	1343	447	1273	1400	573
10% Solution Cobalt	7175	7403	1297	1313	1330	467	1230	1390	527
Sulfate used.	7193	7404	1280	1300	1313	447	1253	1397	543
				(1313)	(1329)	(454)	(1252)	(1396)	(548)
1879 = R	7188	7405	1243	1300	1320	493	1243	1397	587
15% Sol Cobalt Sulfate	174	7406	1230	1260	1273	485	1263	1383	570
used	220	7407	1247	1303	1327	547	1233	1397	570
				(1288)	(1307)	508	(1239)	(1392)	(577)
1880 Ra –	7206	7408	1273	1243	1257	507	1233	1330	543
20% Sol Cobalt Sulfate used	7273	7409	1290	1333	1360	537	1387	1527	547
	7218	7410	1310	1317	1363	650	1367	1427	587
				(1298)	(1327)	531	(1322)	(1428)	(559)
Ra 1881	7270	7411	1310	1387	1407	567	1430	1467	633
25% Cobalt Sulfate used	7202	7412	1300	1330	1350	543	1353	1413	600
	7200	7413	1330	1367	1383	570	1410	1630	603
				(1361)	(1380)	(560)	(1398)	(1437)	(612)
Ra 1884	7170	7414	1343	1363	1380	617	1413	1467	657
35% Cobalt Sulfate used	7117	7415	1317	1360	1377	620	1330	1397	633
	7157	7416	1333	1410	1430	633	1353	1600	610
				1378	(1396)	(623)	(1365)	(1421)	(633)
					10 runs			60 hot runs	
RA 1457 Expt	7678	7417	1087	1180	1193	347	1270	1280	557
	7722	7418	1130	1187	1197	350	1253	1263	540
[illegible] 699	7500	7419	1053	1093	1100	327	1133	1210	480
Dup 6987	7522	7420	1177	1193	1203	373	1277	1337	547

				200			250	1/2	H	300	1/2	1¢
7402	1367	1420	547	1320	1453	630	1220	1363	640	1153	1357	~~583~~
03	1350	1403	570	1023	1527	630	1087	1310	643	980	1210	567
04	1307	1390	577	1277	1417	653	1160	1300	616	1067	1257	560
	1341	1404	565	1207	1466	638	1156	1324	633	1066	1275	577
7405	1350	1423	623	1423		797	1350	1483	593	1227	1437	753
06	1327	1400	663	1393		700	1260	1397	583	1210	1340	673
07	1350	1423	663	1357		673	1203	1367	643	1190	1377	750
	1342	1415	650	1391	—	723	1271	1416	606	1209	1385	725
08	1300	1360	603	1270		673	1307	1410	670	1253	1383	750
09	1383	1460	743	1363		673	1333	1462	767	1243	1400	773
10	1313	1397	687	1353		687	1327	1447	760	1183	1350	750
	1332	1408	678	1329		677	1322	1440	732	1226	1378	—
11	1430	1493	803	1467		707	1447	1560	787	1387	1517	813
12	1407	1460	803	1397		647	1330	1463	670	1287	1433	753
13	1450	1490	870	1400		690	1413	1523	667	1383	1457	733
	1429	1481	833	1421		681	1397	1515	708	1392	1469	766
14	1490	1537	840	1330		760	1420	1527	637	1357	1487	757
15	1373	1433	840	1443		773	1367	1487	620	1393	1483	730
16	1397	1450	867	1440		737	1343	1460	707	1297	1487	797
	1420 70	1473	849	1404		757	1377	1491	658	1349	1469	761
7417	1343	1360	813									
7418	1330	1347	787									

7402	1240	1393
7403	1037	1267
7404	1167	1367
	1148	1343

	350			400 7 runs		400 first screw for the Run	4 times run
7411	1163	1443	683	1380	1480	1413	1543
7412	1100	1327	680	1200	1400	1200	1433
7413	1027	1243	623	1130	1357	1117	1360
	1077	1338	662	1237	1412	1243	1445
				7 Runs			
7414	1100	1340	700	1287	1467	1307	1513
7415	1133	1373	700	1267	1443	1260	1450
7416	1133	1367	713	1253	1433	1233	1417
	1122	1360	704	1269	1488	1267	1457

where are these

5 Very hot days — worst in 10 years

				10			100		
Golden 700 Dup of 6990	7365 7323	7421 7422	1190 1190	1243 1190	1257 1197	383 327	1290 1220	1410 1263	573 480
Golden 701 Dup of 6993	7460 7460	7423 7424	1190 1190	1243 1213	1253 1223	387 367	1220 1217	1460 1383	560 503
1895 Reg	7550 7445	7425 7426	1133 1107	1077 1093	1087 1100	840 843			
1896 Reg	7515 7480	7427 7428	1153 1150	1133 1116	1140 1113	817 763			
1897 Reg	7561 7590	7429 7430	1173 1153	1153 1133	1157 1140	710 653			
1898 Reg	7640 7695	7431 7432	1177 1183	1160 1160	1163 1167	633 [illegible]			
1899 —	7560 7580	7433 7434	1220 1210	1173 1160	1180 1163	583 560			
1900 Reg	7655 7560	4435 4436	1183 1190	1143 1153	1150 1157	533 547			

5 days very Hot
warmest in 10 yrs

				10				
1901	7500 7405	7437 7438	1167 1167	1150 1153	1153 1157	533 537	II	
1902	7580 7500	7439 7440	1180 1160	1147 1143	1153 1147	527 513	II	
1903	7390 7400	7441 7442	1170 1173	1147 1153	1150 1157	527 540	I	
1904	7470 7433	7443 7444	1150 1147	1133 1123	1140 1127	517 513	I	
1905	7694 7665	7445 7446	1177 1173	1157 1147	1160 1153	523 517	I	
1906 -	7580 7550	7447 7448	1163 1167	1143 1143	1147 1147	530 527	I	Held till cold weather to run 3 [illegible] more
1907	7564 7560	7449 7450	1197 1177	1143 1143	1147 1147	520 523	I	
1908	7580 7562	7451 7452	1187 1173	1130 1133	1133 1140	497 517	I	
1909	7713 7700	7453 7454	1210 1157	1153 1103	1153 1107	517 520	I	

1910	7715	7455	1187	1130	1133	520				
	7740	7456	1183	1127	1133	500				
Iodized 10 minutes in 6 grms K Iodide 100 cc KOH	Iodized 10 min 1000 ma	7457	1043	1190	1197	390	1277	1323	587	
		7458	1097	1217	1230	377	1237	1380	547	
		7459	1133	1213	1227	377	1290	1283	530	
	Iodized 10 min 1500 ma	7460	1110	1213	1223	383	1257	1280	540	
		7461	1080	1217	1227	440	1233	1633	593	
		7462	1093	1217	1227	407	1273	1340	563	
218 N	7,080 Iodized 10 min 3000 ma	7463	1063	1253	1270	483	1297	1337	737	
ZIK2Ci	Iodized 10 min 4500 ma	7464	1027	1243	1257	480	1260	1290	733	
Iodized 5 min 8.5 grm KI 1000 cc KOH 4500 ma ZIK2Ci		7465 ~~7466~~	993	1243	1257	483	1243	1283	750	
				3	4 Run 6 times	5	Th			Run over 3 times more
Req 1911 -	7770	7466	1270	1133	1137	623	1150	1163		
	7714	7467	1230	1090	1093	397	1110	1153		
Req 1912	7560	7468	1253	1133	1137	610	1103	1110		
	7602	7469	1268	1127	1130	590	1123	1130		

Goldsleeve 729 –	7000	7470	1100	1117	1123	440	1197	1207	760			
	7006	7471	1113	1117	1127	433	1223	1243	733			
Made up with 520 NaOH. one per cent Thorium hydrox 5 holes 22 days	7034	7472	1123	1123	1130	427	1233	1253	733			
Ra 1456 Expt	7340	7473	1160	1307	1317	443	1327	60 hot 1337	607			
	7337	7474	1247	1297	1303	487	1303	1317	597			
Ra 1458 Expt	7708	7475	1207	1250	1260	380	1273	60 hot 1287	567			
	7670	7476	1200	1267	1280	393	1300	1310	563			
Goldsleeve 732 –	7350	7477	1227	1290	1300	410	100 hot 1323	1337	1243	1300	580	
520 NaOH. 1% Cerium –	7310 –	7478	1220	1307	1317	413	1310	1333	1240	1310	600	
5 holes 60X 22 days	7315	7479	1227	1287	1300	383	1353	1387	1257	1393	677	
Goldsleeve 738	7020	7480	1133	1190	1200	367	1233	1263	1213	1243	637	
520 NaOH 1% Zirconium	7075 –	7481	1143	1183	1193	343	1230	1237	1190	1260	660	
4 holes –	7075	7482	1123	1130	1160	330	1177	1193	1197	1287	657	
	7314											
Goldsleeve 745	7330											
	7370	7483	1223	1267	1293	403	1280	1307	1247	1313	767	
520 NaOH. 1% aluminum hydrox		7484	1223	1263	1283	387	1287	1330	1257	1317	643	
Cov 60X 4 holes		7485	1200	1180	1197	453	1170	1220	1190	1247	767	
113 Flake	7360 –	7486	1200	1253	1263	467	1263	1293				
4.4 –	7405	7487	1210	1223	1237	450	1243	1273				

	70	½	A.	
7473	1390	1403	867	
7474	1397	1423	887	
7475	1370	1390	857	
7476	1373	1387	830	

							100		
114 Flake 4.2	7400 7440	7488 7489	1163 1230	1177 1223	1197 1243	513 467	1123 1230	1190 1277	400 683
				1	2	3	4	5	6
1913 Reg	7937 7927	7490 7491	1210 1260	1067 1120	1070 1123	537 543	1200 1220	1157 1183	1103 1123
1914 Reg	7835 7829	7492 7493	1170 1210	1027 1060	1043 1067	543 527			
1915 Reg	7725 7775	7494 7495	1193 1227	1077 1100	1083 1107	520 490			
1916 Reg	7620 7650	7496 7497	1227 1200	1100 1113	1110 1120	483 473			
1917 Reg	7780 7750	7498 7499	1247 1197	1117 1133	1127 1113	470 460			
1918 Reg	7681 7692	7500 7501	1200 1247	1127 1123	1133 1133	517 520			
1919 Reg	7650 7670	7502 7503	1140 1167	1100 1140	1107 1107	523 520			
1920 Reg	7715 7600	7504 7505	1220 1183	1153 1127	1160 1183	540 540			

1921 Reg	7535 7595	7506 7507	1223 1213	1143 1167	1150 1173	543 547
1922 Reg	7784 7785	7508 7509	1187 1223	1127 1153	1133 1163	533 537
1923 Reg	7690 7645	7510 7511	1180 1250	1103 1173	1110 1180	520 550
1924 Reg	7580 7413	7512 7513	1190 1067	1150 1070	1157 1080	557 517
1925 Reg	7592 7598	7514 7515	1213 1200	1173 1150	1180 1160	550 537
1926 Reg	7610 7700	7516 7517	1043 1223	1143 1193	1150 1203	513 567
1927 Reg	7656 7670	7518 7519	1170 1157	1163 1133	1167 1143	533 530
1928 Reg	7770 7700	7520 7521	1183 1197	1123 1120	1130 1127	583 570

plumped a no

← 6 [illegible] rung; weather warm.

					50			60		
RQ. 1459-Expt	7508	7522	1190		~~1320~~	~~1333~~	~~660~~	~~1363~~	~~1377~~	~~980~~
	7615	7523	1177		~~1310~~	~~1323~~	~~540~~	~~1380~~	~~1397~~	~~840~~
RQ 1460 Expt	7650	7525	1177		~~1347~~	~~1360~~	~~473~~	~~1373~~	~~1390~~	~~783~~
	7510	7526	1153		~~1290~~	~~1300~~	~~417~~	~~1327~~	~~1350~~	~~717~~
RQ 1462-Expt	7462	7526	1227		~~1320~~	~~1327~~	~~400~~	~~1343~~	~~1360~~	~~723~~
	7428	7527	1207		~~1327~~	~~1333~~	~~387~~	~~1347~~	~~1367~~	~~700~~
Goldsbro 707	7220	7528	1093		~~1193~~	~~1203~~	~~353~~	~~1227~~	~~1257~~	~~663~~
2 grams glucose dried — box 1 hole 34 days	7255	7529	1123		~~1243~~	~~1253~~	~~317~~	~~1287~~	~~1330~~	~~637~~
pressed 300 at.	7210	7530	1130		~~1263~~	~~1273~~	~~323~~	~~1333~~	~~1377~~	~~583~~
Goldsbro 710	6678	7531	1107		~~1197~~	~~1210~~	~~317~~	~~1283~~	~~1257~~	~~557~~
2 grams Sugar — dried box 1 hole 32 days	6650	7532	1127		~~1250~~	~~1260~~	~~340~~	~~1330~~	~~1330~~	~~550~~
pressed 300 at	6690	7533	1103		~~1197~~	~~1203~~	~~323~~	~~1253~~	~~1377~~	~~487~~
Goldsbro 712	7095	7534	1227	1090	~~1287~~	~~1300~~	~~427~~	~~1290~~	~~1390~~	~~527~~
made 2 grams Ammonium Sulphate	7098	7535	1230	1083	~~1290~~	~~1303~~	~~403~~	~~1310~~	~~1367~~	~~487~~
1 Hole box 35 days pressed 300 at	7120	7536	1233	1083	~~1310~~	~~1323~~	~~400~~	~~1367~~	~~1403~~	~~530~~
Goldsbro 715	7015	7537	1210	1060	~~1233~~	~~1257~~	~~380~~	~~1183~~	~~1320~~	~~493~~
520 NaOH. 61% CuOH's.	7010	7538	1210	1067	~~1260~~	~~1277~~	~~433~~	~~1263~~	~~1333~~	~~583~~
box 1 hole 40 days pressed 300 at.	7007	7539	1200	1057	~~1237~~	~~1257~~	~~427~~	~~1197~~	~~1293~~	~~557~~

	70			80								
7522	1367	1383	667	1383	1440	707	1323	1360	763	1310	1347	873
7523	1390	1397	653	1417	1420	660	1353	1377	753	1327	1353	873
7524	1390	1397	617	1420	1397	673	1350	1347	713	1333	1377	680
7525	1377	1390	617	1407	1423	650	1347	1363	703	1333	1367	873
7526	1363	1383	617	1380	1397	650	1290	1358	703	1250	1310	740
7527	1377	1390	600	1407	1423	650	1330	1363	700	1327	1350	877
	150											
7528	1297	1377	703	1267	1380	627						
29	1310	1383	623	1293	1373	663						
30	1360	1437	537	1327	1433	677						
31	1297	1363	543	1323	1377	633						
32	1320	1423	537	1350	1463	677						
33	1207	1280	527	1247	1357	690						
34	1197	1410	610	1107	1443	680						
35	1253	1413	603	1210	1483	663						
36	1340	1447	627	1333	1460	690						
37	1190	1297	577	1177	1303	630						
38	1193	1327	623	1127	1323	697						
39	1143	1283	577	1100	1283	700						

Goldsch 718

							100		
520 Kaolt. boiled strong for 6 hours dried hot no cover pressed 3x0 at	7346 7275 7355	7540 7541 7542	990 957 973	1267 1067 1257	1280 1230 1267	363 350 393	1333 1153 1310	1398 1297 1380	523 523 673
Old tubes – Regeneration Expt old No 3968		7543	692	773	780	490	730	737	613
" 3969		7544	690	863	893	497	783	797	640
" 2565		7545	1047	1170	1247	687	910	960	730
" 5368 12/1.31		7546	1530	1560	1663	1197	1243	1390	1137
6120		7547	683	1133	1290	790	970	1180	820
8807		7548	1107	1037	1080	877	1010	1060	837
8808		7549	977	1043	1090	843	990	1040	917

7540	1187	1400	590			
41	1060	1330	510			
42	1273	1387	590			
7543	677	683	520			
7544	793	803	580			
7545	930	980	697			
7546	1263	1393	1050	1253	1377	1103
7547	743	1017	707			
7548	960	1007	803			
7549	910	977	803			

Split 2 places

							100		
Goldsln 729 520 NaOH. 2 gm KCN Dried 60x no cover 40 days pressed 300 at.	7030	7550	1050	1213	1220	407	1213	1297	683
	7125	7551	1030	1230	1247	410	1257	1330	640
	7183	7552	1050	1207	1220	387	1197	1263	600
Goldsln 733 520 NaOH. 1% $La(OH)_3$ Dried 5 hole box 22 days pressed 300 at	6980	7553	980	1090	1100	420	1123	1217	610
	7000	7554	967	1097	1107	443	1173	1260	627
	7069	7555	990	1077	1153	477	1183	1263	607
Goldsln 737 520 NaOH. -1% Prasody 5 Hole box 22 days pressed 300 at	6915	7556	940	1060	1067	453	1100	1180	600
	6930	7557	933	1050	1057	397	1053	1130	550
	6881	7558	940	1023	1033	420	1060	1130	547
Goldsln 746 520 NaOH. 1% CrO_3 8 Hole box 20 days	7760	7559	947	1220	1227	373	1317	1363	490
	7773	7560	953	1213	1220	383	1333	1373	487
	7730	7561	973	1237	1247	370	1363	1383	523
Goldsln 717 520 NaOH. 1% KCN 1 Hole 42½ days pressed 300 at	7130	7562	1053	1277	1293	430	1267	1387	640
	7177	7563	1053	1267	1283	430	1243	1330	617
	7175	7564	1050	1267	1280	427	1223	1323	583
Goldsln 776 Made from dry $NiSO_4$ dry NaOH. Dried 48 hours pressed 300 at 93 gm NaOH	6765	7565	833	1023	1030	320	1237	1270	433
	6678	7566	870	1177	1183	320	1197	1263	480
	6680	7567	893	1190	1200	347	1243	1307	523

7553	1070	1243	590			
54	1140	1257	640			
55	1140	1250	640			
56	1043	1150	610			
57	1057	1153	530			
58	1043	1117	540			
59	1350	1397	583	1330	1417	633
60	1233	1433	583	1310	1407	630
61	1387	1443	643	1317	1443	660
62	1233	1300	533			
63	1193	1267	543			
64	1223	1327	547			
65	1167	1293	560			
66	1060	1167	590			
67	1157	1270	597			

							100		
Goldsolen 777	7060	7568	927	~~1233~~	~~1247~~	~~357~~	~~1327~~	~~1373~~	~~493~~
Dry NiSO4 96 gram	7003	7569	927	~~1227~~	~~1240~~	~~343~~	~~1303~~	~~1357~~	~~487~~
NaOH. 60 hours dried pressed 300 at –	7025	7570	920	~~1213~~	~~1220~~	~~340~~	~~1300~~	~~1373~~	~~520~~
Goldsolen 778	6805	7571	910	~~1203~~ ~~slightly swollen~~	~~1217~~	~~300 5~~	~~1193~~	~~1223~~	~~413~~
Dry NiSO4	6950	7572	960	~~1260~~	~~1267~~	~~307~~	~~1293~~	~~1350~~	~~470~~
100 gram NaOH – Dried 72 hours pressed 300 at	6950	7573	917	~~1197~~	~~1213~~	~~307~~	~~1230~~	~~1263~~	~~463~~
Goldsolen 722		7574	1057	~~913~~	~~1413~~	~~427~~	~~1287~~	~~1457~~	
Made with 520	7020	7575	1033	~~1277~~	~~1297~~	~~380~~	~~1267~~	~~1330~~	
NaOH 1 Hole 40 days	6996 6805	7576	1053	~~1290~~	~~1320~~	~~417~~	~~1260~~	~~1340~~	
Goldsolen 775	6473	7577	863	~~1153~~	~~1167~~	~~313~~	~~1077~~	~~1150~~	~~467~~
Dry NiSO4 90 gram NaOH.	6490	7578	843	~~1160~~	~~1157~~	~~307~~	~~1123~~	~~1177~~	~~463~~
Dried 24 hours pressed 300 at	6495	7579	867	~~1163~~	~~1180~~	~~307~~	~~1093~~	~~1160~~	~~460~~
				~~7579 slightly swollen~~					
Goldsolen 782	7673	7580	830	~~1180~~	~~1190~~	~~313~~	~~1133~~	~~1210~~	~~463~~
Dry NiSO4 90 gram	7642	7581	820	~~1177~~	~~1190~~	~~310~~	~~1173~~	~~1200~~	~~417~~
NaOH. dried 48 hours squeezed between hot rollers pressed 300 atmos	7600	7582	817	~~1180~~	~~1193~~	~~413~~	~~1183~~	~~1227~~	~~457~~
Goldsolen 783	6885	7583	820	~~1167~~	~~1177~~	~~450~~	~~1160~~	~~1210~~	~~460~~
Dry NiSO4 – 93 grams	6860	7584	817	~~1140~~	~~1223~~	~~710~~	~~1357~~	~~1300~~	~~477~~
NaOH. squeezed between hot rollers pressed 300 at.	6830	7585	807	~~1133~~	~~1150~~	~~483~~	~~1163~~	~~1193~~	~~410~~

	150	½	1f	200	½	1f			
7568	1250	1353	590	1350		707	1180	1327	630
69	1217	1307	543	1213		703	1113	1293	633
70	1210	1357	540	1357		437	1207	1379	664

				10			20	20 R	
RA 1466 Expt	7518 7562	7586 7587 ~~7588~~	877 873	1170 1157	1183 1167	433 423	1293 1239	1307 1247	
Lot 114 f few heavier a quite some fines – 4.4	7.325 7.285	7588 7589	1043 1057	1197 1143	50 hot 1283 1260	900 1210	100 1093 863	1333 1383	553 553
Lot 115A flake, 4.4 few heavier a quite a some fines	7.470 7.410	7590 7591	1143 1160	1257 1250	1263 1260	433 433	1253 1247	1283 1260	573 643
Lot 115 B f – 4.9	7505 7495	7592 7593	1150 1127	1243 1217	1260 1230	440 423	1253 1223	1283 1267	590 580
1929 Reg	7970 7828	7594 7595	1227 1203	10 1203 1230	1210 1237	487 480			
1930 Reg	7701 7785	7596 7597	1190 1220	1197 1207	1203 1217	480 469			
1931 Reg	7715 7820	7598 7599	1207 1200	1173 1123	1163 1127	470 467			
1932 Reg	7888 7780	7600 7601	1220 1207	1207 1180	1223 1193	487 487			

7588	1017	1417	603
89	1257	1330	600

1933 Req	7780	7602	1213	~~1240~~	~~1247~~	~~510~~			
	7716	7603	1237	~~1237~~	~~1240~~	~~503~~			
1934 Req	7730	7604	1233	~~1250~~	~~1260~~	~~500~~			
	7720	7605	1217	~~1213~~	~~1220~~	~~497~~			
1935 Req	7860	7606	1213	~~1220~~	~~1230~~	~~500~~			
	7760	7607	1223	~~1233~~	~~1240~~	~~503~~			
1467 RA Expt	7255	7608	1180	~~1223~~	~~1233~~	~~523~~			
	7220	7609	1200	~~1267~~	~~1280~~	~~517~~			
1468 RA Expt	7555	7610	1133	~~1223~~	~~1237~~	~~470~~			
	7520	7611	1147	~~1243~~	~~1253~~	~~483~~			
Goldstn 719 -	7180	7612	1210	~~1243~~	~~1260~~	~~397~~	~~1267~~	~~1307~~	~~573~~
520 NaOH, 1% $Cu(OH)_2$	7193	7613	1230	~~1313~~	~~1330~~	~~443~~	~~1340~~	~~1387~~	~~650~~
Dried 60x 1 hole 45 Days	7190	7614	1203	~~1273~~	~~1287~~	~~413~~	~~1303~~	~~1387~~	~~580~~
Goldstn 730 -	7905	7615	1053	~~1150~~	~~1160~~	~~370~~	~~1177~~	~~1200~~	~~497~~
520 NaOH 1% $Fe(OH)_2$	7810	7616	1057	~~1170~~	~~1180~~	~~390~~	~~1190~~	~~1217~~	~~563~~
	7880	7617	1063	~~1163~~	~~1177~~	~~373~~	~~1240~~	~~1257~~	~~563~~

7612	1293	1367	663
13	1333	1423	730
14	1280	1367	653
7615	1243	1257	543
16	1257	1280	600
17	1273	1297	603

See if its Cu or Co

Note

Goldsln 781 — Dry crystals NiSO4 - 3% CoSO4 - 7H2O - Dry after 48 hours - medium Rolls exceed 300 at —	6842	7618	1127	~~1310~~	~~1327~~	~~330~~	~~1357~~	~~1410~~	~~430~~
	6880	7619	1130	~~1313~~	~~1323~~	~~377~~	~~1360~~	~~1393~~	~~430~~
	6835	7620	1130	~~1310~~	~~1323~~	~~350~~	~~1327~~	~~1360~~	~~347~~
Goldsln 784 Rolls - Dry crystals with 3% CoSO4 - pressed 300 Atmos Dry after 48 hours	6700	7621	1083	~~1313~~	~~1327~~	~~323~~	~~1330~~	~~1377~~	~~347~~
	6680	7622	1060	~~1260~~	~~1277~~	~~290~~	~~1270~~	~~1310~~	~~347~~
	6690	7623	1087	~~1287~~	~~1300~~	~~307~~	~~1293~~	~~1337~~	~~343~~
Goldsln 785 — Rolls - Dry NaOH NiSO4 & 3% CuSO4 - 7H2O - Dry after 60 Hours	7060	7624	1197	~~1343~~	~~1357~~	~~347~~	~~1307~~	~~1350~~	~~343~~
	7015	7625	1177	~~1373~~	~~1387~~	~~323~~	~~1373~~	~~1420~~	~~430~~
	6985	7626	1180	~~1333~~	~~1347~~	~~303~~	~~1367~~	~~1400~~	~~437~~
Nickel fluoride	5870	7627	17	~~To zero~~	~~.7~~	~~0~~	~~Burst seam - 1 place slightly bent.~~		
	5885	7628	17		~~.7~~	~~0~~			
Mercuric Chromate	15360	7629	·5 1087	~~.80~~	~~113~~	~~70~~			
	15540	7630	1093	~~67~~	~~100~~	~~127~~			
Cobalt fluoride	6270	7631	17	~~To zero~~	~~.7~~	~~0~~			
	6180	7632	20		~~.7~~	~~0~~			
Cadmium fluoride	11430	7633	0		~~0~~	~~0~~			
	11430	7634	0		~~0~~	~~0~~			

7618	1333	1427	470	1287	1377	453
19	1263	1370	470	1287	1377	590
20	1290	1393	473	1347	1517	597
7621	1260	1350	433	1230	1327	430
22	1250	1263	430	1240	1297	417
23	1260	1253	430	1197	1333	417
7624	1253	1323	477	1240	1330	417
25	1360	1443	560	1360	1393	497
26	1330	1403	500	1307	1400	463

Run 6 times

250	1/2	1+
1180	1330	490
1103	1223	430
1193	1297	404
1097	1227	363
1237	1293	393
1100	1227	440
1150	1250	457
1217	1347	450
1250	1363	577

Strontium Tungstate.		7635	13	30	37	23			
	10720	7636	13	30	37	23			
	10200								
Strontium fluoride	7845	7637	7	30	37	23			
	7100	7638	10	30	37	23			
Goldslm 711 -	7009	7639	1143	1277	1290	473	1290	1313	577
520 + 2 gms CuSO4	7045	7640	1157	1290	1310	470	1293	1327	593
1 Hole -	7040	7641	1147	1297	1317	470	1320	1343	493
Goldslm 713	7200	7642	987	1247	1260	543	1263	1320	653
520 Na 2 gms KCN -	7170	7643	990	1230	1247	537	1247	1307	653
box 1 hole	7190	7644	997	1233	1250	537	1223	1267	650
Goldslm 720	7260	7645	1210	1393	1407	290	1380	1413	467
520 Na 1% Co(OH)2	7128	7646	1190	1347	1363	257	1333	1380	467
1 Hole	7140	7647	1190	1343	1353	257	1303	1330	493
Goldslm 721	7003	7648	1020	1230	1257	470	1260	1330	580
520 NaOH. 5 Hole box	7115	7649	1023	1261	1277	470	1297	1367	590
	7010	7650	1060	1300	1313	533	1307	1360	740
Goldslm 740	7423 7480	7651	1150	1363	1387	533	1427	1453	707
Made 520 NaOH. 1% Uranium hydrox	7422	7652	1123	1300	1313	533	1330	1377	707
		7653	1160	1363	1387	643	1410	1430	825

Note —

	150	1/2	1+							300		
										.9	.5	1+
7645	1340	1400	610	1247	1383	590	1227	1380	587	1243	1377	623
46	1323	1370	617	1243	1347	597	1183	1313	573	1167	1293	610
47	1310	1333	613	1247	1333	593	1290	1423	667	1237	1377	633

Gent slightly swollen

Rain over after 250 lot

							250				
7651	1451	1487	765	1447	1527	767	1430	1557	767	1523	1573
52	1347	1387	680	1380	1453	723	1380	1480	733	1473	1557
53	1457	1483	723	147	1483	790	1430	1483	683	1467	1510

3 Runs more

7645	1177	1320	677	1203	1353
7646	1100	1257	600	1087	1267
7647	1133	1323	670	1210	1377

	300 .9V.	.5V	#	350			400	c/2	11
7651	1397	1483	750	1267	1407	850	1057	1323	733
7652	1393	1477	567	1267	1410	857	1150	1400	757
7653	1323	1397	707	1163	1263	793	1023	1200	737

swollen and al, bent. Split 2 places

Badly bent + swollen split 3 places

				50			100		
Goldste 740— 520 gm NaOH. a 1% U(oh)2 Uranum OH	7423	7654	1173	1333	1357	610	1357	1383	427
	7480	7655	1140	1267	1293	487	1297	1333	370
	7422	7656	1130	1253	1270	437	1280	1313	377
Goldstein 741 520 NaOH. 1% Be(OH)2	7340	7657	1170	1317	1353	490	1317	1367	380
	7360	7658	1127	1233	1260	433	1263	1310	340
	7342	7659	1173	1330	1360	420	1360	1447	363
Goldstein 742 520 NaOH. 1% Strontium hydroxide	7115	7660	1200	1360	1373	550	1400	1460	363
	7150	7661	1190	1310	1337	490	1253	1397	353
	7228	7662	1210	1357	1383	510	1287	1450	367
Goldstein 743 520 NaOH. 1% Calcium hydrox	7007	7663	1040	1293	1310	510	1300	1387	363
	7143	7664	1177	1327	1347	530	1323	1463	363
	7187	7665	1197	1377	1397	583	1370	1523	427
Goldstein 744 520 NaOH, 1% Barium hydrox	7035	7666	1200	1287	1303	470	1300	1343	343
	7120	7667	1207	1290	1317	507	1303	1393	350
	7032	7668	1187	1257	1283	587	1267	1333	350
Goldste 747 520 NaOH. 1% Molybden hydrox MoO3	7350	7669	1020	1323	1333	413	1363	1420	343
	7390	7670	1120	1363	1380	453	1397	1447	343
	7400	7671	1120	1347	1373	413	1393	1427	350
Goldstein 748 520 NaOH. 1% WO3 —	7480	7672	1170	1300	1317	460	1303	1370	347
	7450	7673	1183	1293	1320	493	1250	1367	347
	7410	7674	1167	1307	1323	460	1323	1370	347

	150		
7654	1423	1477	583
55	1300	1390	473
56	1310	1360	530

200			250		
1517	1583	753	1507	1573	730
1250	1397	710	1283	1393	653
1347	1423	593	1290	1363	683

7669	1383	1453	560
70	1307	1380	563
71	1417	1470	573

Swallow split 5 places - 1

Swallows 2 places

1310	1473	597	1253 x	1440	663
1317	1467	654	1293 x	1380	670
1417	1587	637	1390	1503	680

	Run over after 350 hot			300 .9V.	.5V	H	350					
7654	1567	1610	X	1387	1533	570	1373	1497	907	1360	1527	770
7655	1397	1457		1147	1317	467	1113	1300	703	1147	1400	700
7656	1333	1397		1050	1243	443	1033	1243	683	1100	1363	660

	300 .9	.5	H			
7669	1157	1470	647	983	1330	670
7670	1010×	1210	607	857	960	673
7671	1240	1433	660	1163	1382	670

Swollen Split 7 places

OK

Ends swollen split 7 places

OK

				50			100		
Goldstn 749	7755	7675	1133	1327	1347	420	1357	1393	345
520 NaOH.	7830	7676	1107	1297	1317	467	1353	1397	350
1% Sulphur —	7850	7677	1143	1303	1333	410	1323	1383	333
Goldstein 750	7128	7678	1130	1330	1350	433	1313	1393	333
520 NaOH.	7062	7679	1127	1283	1313	433	1283	1377	337
1% Cobalt hydrox + 1% LiOH.	7020	7680	1123	1370	1383	467	1283	1373	340
Goldstein 751	7770	7681	1143	1333	1357	507	1393	1423	357
520 NaOH.	7740	7682	1127	1253	1273	457	1287	1330	337
1% Antimony hydroxide	7810	4683	1147	1303	1327	503	1353	1413	360
$Sb(OH)_3$ —									
Goldstein 752	7420	7684	1123	1273	1303	500	1323	1370	330
620 NaOH.	7440	7685	1103	1260	1283	453	1300	1330	333
~~1% LiOH~~	7440	7686	1143	1283	1297	467	1263	1380	350
Reg Ni —	7055	7687	1263	1367	1380	520	1367	1407	360
Soaked in Conc Cobalt Chloride	7060	7688	1257	1350	1370	547	1333	1407	357
put in KOH, washed free			~~10~~						
Reg Ni		7689	1057	1277	1293	520	1393	1413	360
Soaked 48 hours Conc $CoCl_2$		7690	1020	1287	1313	547	1393	1417	383
then in KOH, washed	7000								
	7000								

	150		
7675	1343	1413	550
76	1307	1367	597
77	1303	1397	567
7678	1260	1360	547
79	1240	1367	510
80	1257	1373	573
81	1363	1473	650
82	1223	1323	577
83	1297	1443	637

Run over 2nd time after 250 hot

				200			240					
7687	1360	1433	610	1133	1233	577	1213	1360	523	1277	1413	X
88	1307	1403	577	1193	1333	570	1183	1360	700	1260	1397	
89	1460	1490	677	1467	1493	680	1453	1503	863	1503	1543	
90	1467	1500	690	1480	1520	733	1443	1493	837	1410	1450	

These high results borne out by 4 reruns

	300 .9V					
7687	1273	1000	447	1083	1330	690
7688	1233	1437	470	947	1147	653
	300					
7689	1463	1523	573	1483	1543	
7690	1410	1450	640	1450	1483	
	600			650		
7689	1490	1627	867	1440	1527	910
7690	1367	1377	857	1200	1313	793

Band swollen

Swollen and seams flared

Burst 3 places

Continue this way

450			500			550		
1467	1497	910	1320	1530	757	1167	1467	797
1333	1427	880	1300	1447	733	1297	1317	813

2 splits badly sw.

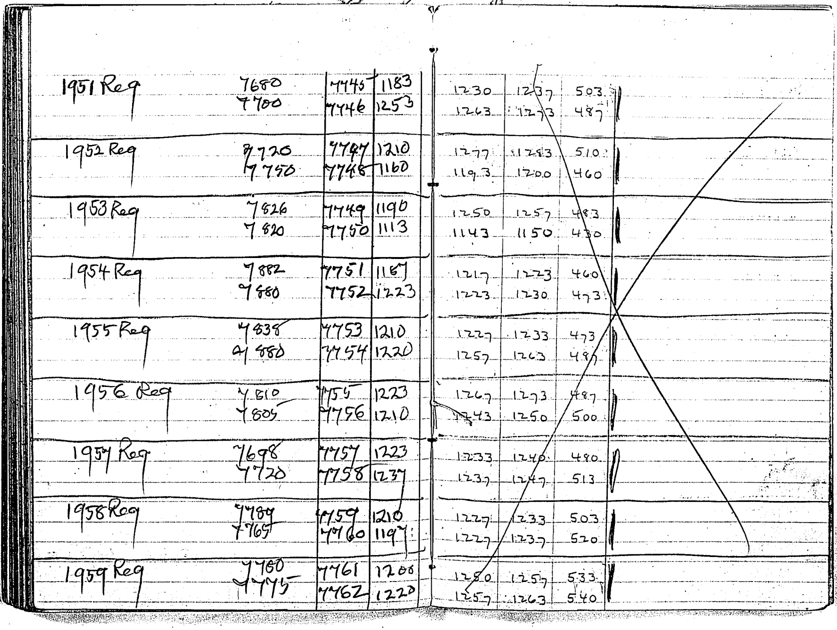
700		
1153	1397	860
800	1100	967

				50					
Reg Ni	7002 7021	7691	943	1200	1220	503	1317	1333	373
Soaked conc $CoCl_2$ then dried on		7692	977	1190	1197	453	1280	1300	360
Hot plate, then put in KOH,									
Washed —									
Old Cell tubes	891	7693	880	790 bar sl. flaring	873	670			
Soaked past as taken out of	1705	7694	670	610 split 2 places	630	640			
alkaline water in 10 gram									
HgCy solution in glycerine	1706	7695	890	843	857	620			
not all HgCy dissolved — warm —									
Cant say these follow in sequence	old [illegible] 9599	7696	433	893 seam sl. flaring	967	603			
Old tubes soaked hot glycerine with some KOH, ~~then put in 10 gm~~ HgCy	25661	7697	517	867 sl. bent "	930	667			
in glycerine — then in pure glycerine	2752	7698	490	657	677	587			
then water —	6121	7699	390	1157 sl. swollen	1303	800			
See boy why he left out HgCy	6122	7700	390	1383 split 4 places	1490	933			
in book wasn't it on pad leaf — See boy's book									
Same treatment as group		7701	680	917	997	867			
above — tubes had no number		7702	610	920 split seam	1000	453			
Very red grids — old nos	8810 8087								
Ra Expt 1465 Expt	7150	7703	1190	1260	1280	577			
	7137	7704	1190	1280	1300	527			
Ra 1469 Expt	8060	7705	1137	1253	1263	470			
	8040	7706	1133	1247	1257	497			
Ra 1470 Expt	7670	7707	1130	1243	1257	477			
	7650	7708	1173	1277	1287	493			

7691	1427	1450	673
92	1353	1380	583

Ra 1471 Expt	7210 7292	7709 7710	1167 1160	1300 1283	1310 1297	537 527	4
Ra 1601- Dup of 6246-7 —	7300 7320	7711 7712	1123 1117	1240 1237	1253 1250	593 590	4
1936 Reg	7610 7580	7713 7714	1177 1163	1260 1277	1273 1283	597 630	4
1937 Reg	7779 7810	7715 7716	1230 1130	1243 1177	1250 1183	513 513	||
1938 Reg	7700 7700	7717 7718	1197 1193	1240 1243	1247 1250	490 487	||
1939 Reg	7750 7679	7719 7720	1230 1177	1237 1217	1243 1223	467 453	||
1940 Reg	7800 7784	7721 7722	1177 1177	1247 1233	1253 1243	490 477	||
1941 Reg	7840 7800	7723 7724	1193 1130	1233 1177	1240 1183	440 443	||
1942 Reg	7778 7785	7725 7726	1230 1177	1250 1233	1257 1243	473 467	||

1943 Reg	7655	7727	1230	1287	1293	480
	7730	7728	1233	1290	1297	507
116 Flake - 5.1	7680	7729	1193	1250	1263	353
	7690	7730	1117	1127	1140	363
1944 Reg	7400	7731	1213	1253	1200	497
	7420	7732	1167	1207	1213	507
1945 Reg	7637	7733	1213	1250	1257	497
	7590	7734	1243	1273	1280	497
1946 Reg	7710	7735	1163	1237	1243	500
	7707	7736	1180	1237	1243	500
1947 Reg	7850	7737	1183	1280	1287	537
	7765	7738	1140	1197	1203	500
1948 Reg	7770	7739	1227	1270	1277	517
	7780	7740	1230	1293	1300	530
1949 Reg	7860	7741	1217	1247	1253	490
	7840	7742	1160	1220	1230	490
1950	7790	7743	1227	1273	1280	497
	7775	7744	1210	1250	1257	493



1951 Req	7680	7745	1183	1230	1237	503
	7700	7746	1253	1263	1273	487
1952 Req	7720	7747	1210	1277	1283	510
	7750	7748	1160	1193	1200	460
1953 Req	7826	7749	1190	1250	1257	483
	7820	7750	1113	1143	1150	430
1954 Req	7882	7751	1157	1217	1223	460
	7880	7752	1223	1223	1230	473
1955 Req	7838	7753	1210	1227	1233	473
	7880	7754	1220	1257	1263	487
1956 Req	7810	7755	1223	1267	1273	487
	7805	7756	1210	1243	1250	500
1957 Req	7698	7757	1223	1233	1240	480
	7720	7758	1237	1237	1247	513
1958 Req	7789	7759	1210	1227	1233	503
	7765	7760	1197	1227	1237	520
1959 Req	7780	7761	1200	1250	1257	533
	7775	7762	1220	1257	1263	540

Dup of 7155 = Barium sulphate only — Reg flake,	9920	7763 7764	10	43	47	33			
Goldstein 621 Bi Green 3 grms Manganese hydrox in electrolyte each cell	7690 7621	7764 7765	1287 1253	1547 1533	1597 1593	1260 1337	1667 1600	1770 1670	1367 1300
Goldstein 735	7840 7065	7766 7767	1083 1087	1210 1213	1230 1243	500 493	1227 1213	1393 1263	580 550
Goldstein	7490 7455	7768 7769	1110 1123	1247 1267	1263 1293	470 540	1290 1263	1323 1347	610 580
				after 10 hot runs			20		
Make for the [illegible] Bismuth (Ni(OH)2) -	7345 7320 7345	7770 7771 7772	1197 1193 1193	1523 1527 1530	— — —	977 990 947	1513 1510 1523	1523 1520 1530	1187 1230 1187
Goldstein 754? What is it 1% Silver oxide —	7440 7408	7773 7774	1093 1117	1283 1243	1310 1370	370 370	1350 1353	1390 1383	437 440
Goldstein 756	7670 7690	7775 7776	1077 1080	1257 1303	1283 1333	370 423	1277 1313	1317 1387	463 527
Goldstein 757	7103 7137	7777 7778	1053 1093	1153 1180	1167 1197	340 310	1143 1160	1177 1213	400 440

150 ½ ht.

7764	1427	1670	1298
65	1483	1637	1318

	30			40			70					
7770	1583	1590	1247	1520	1530	1333	1390	1397	923			
7771	1587	1590	1247	1480	1497	1333	1377	1387	950			
7772	1587	1590	1250	1493	1503	1330	1407	1413	873			
										300		
7773	1447	1503	731	1447	1520	643	1417	1483	783	1377	1467	577
74	1477	1493	698	1400	1473	637	1400	1467	793	1277	1393	547
	150			200			250					

	350	1/2	ff
7773	1317	1463	723
74	1313	1396	700

Goldstein 758	7300 7240	7779 7780	1127 1123	~~1317~~ ~~1300~~	~~1350~~ ~~1327~~	~~397~~ ~~360~~	~~1323~~ ~~1300~~	~~1363~~ ~~1347~~	~~527~~ ~~543~~
Goldstein 759	7055 7095	7781 7782	1140 1177	~~1170~~ ~~1263~~	~~1183~~ ~~1280~~	~~367~~ ~~360~~	~~1170~~ ~~1280~~	~~1193~~ ~~1293~~	~~523~~ ~~543~~
Goldstein 760	7023 7095	7783 7784	1210 1250	~~1263~~ ~~1367~~	~~1280~~ ~~1383~~	~~367~~ ~~400~~	~~1257~~ ~~1367~~	~~1297~~ ~~1400~~	~~573~~ ~~563~~
Goldstein 761	7025 7020	7785 7786	1097 1107	~~1240~~ ~~1263~~	~~1257~~ ~~1290~~	~~347~~ ~~357~~	~~1230~~ ~~1200~~	~~1273~~ ~~1327~~	~~440~~ ~~443~~
Goldstein 762	7588 7548	7787 7788	1123 1093	~~1363~~ ~~1307~~	~~1387~~ ~~1343~~	~~400~~ ~~397~~	~~1323~~ ~~1283~~	~~1398~~ ~~1370~~	~~480~~ ~~467~~
Goldstein 763	7314 7317	7789 7790	1077 1047	~~1280~~ ~~1283~~	~~1293~~ ~~1297~~	~~357~~ ~~373~~	~~1280~~ ~~1303~~	~~1327~~ ~~1367~~	~~450~~ ~~507~~
Goldstein 764	7070 7098	7791 7792	1147 1190	~~1280~~ ~~1307~~	~~1293~~ ~~1330~~	~~397~~ ~~443~~	~~1293~~ ~~1283~~	~~1333~~ ~~1330~~	~~540~~ ~~540~~
Goldstein 765	7378 7300	7793 7794	1050 1103	~~867~~ ~~1307~~	~~1367~~ ~~1350~~	~~283~~ ~~330~~	~~1197~~ ~~1313~~	~~1310~~ ~~1357~~	~~347~~ ~~447~~
Goldstein 766	7400 7355	7795 7796	1130 1170	~~1227~~ ~~1347~~	~~1267~~ ~~1373~~	~~300~~ ~~357~~	~~1197~~ ~~1370~~	~~1240~~ ~~1397~~	~~433~~ ~~520~~